



9-20-04

EV372467609

2813/

PTO/SB/21 (02-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | |
|------------------------|---------------|
| Application Number | 10/086,942 |
| Filing Date | March 1, 2002 |
| First Named Inventor | Cem Basceri |
| Art Unit | 2813 |
| Examiner Name | Y.B. Huynh |
| Attorney Docket Number | MI22-1951 |

Total Number of Pages in This Submission 9+ref.

ENCLOSURES (Check all that apply)

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Technology Center (TC) |
| <input checked="" type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Postcard; PTO-Form 1449 & cited references. |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | Charge any additional fees required under 47 CFR 1.16 and 1.17 and credit overages to 23-0925. | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------|--|
| Firm or Individual name | David G. Latwesen, Ph.D. Wells St. John P.S. - Customer No-021567 |
| Signature | |
| Date | 9/17/04 |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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|-----------------------|----------------------------------|------|----------|
| Typed or printed name | VIA EXPRESS MAIL EV 372467609 US | | |
| Signature | | Date | 09/17/04 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EV372467609

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known

| | |
|----------------------|---------------|
| Application Number | 10/086,942 |
| Filing Date | March 1, 2002 |
| First Named Inventor | Cem Basceri |
| Examiner Name | Y.B. Huynh |
| Art Unit | 2813 |
| Attorney Docket No. | MI22-1951 |

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

23-0925

Wells St. John P.S.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|-----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$ 0.00) |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | Extra Claims | | Fee from below | | Fee Paid |
|--------------------|----------------------|--------------|----------------------|----------------|----------------------|----------------------|
| Total Claims | <input type="text"/> | -20** = | <input type="text"/> | X | <input type="text"/> | <input type="text"/> |
| Independent Claims | <input type="text"/> | - 3** = | <input type="text"/> | X | <input type="text"/> | <input type="text"/> |
| Multiple Dependent | | | | | <input type="text"/> | <input type="text"/> |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | 180.00 |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

SUBMITTED BY

Name (Print/Type) David G. Lawesen, Ph.D.

Registration No. 38,533
(Attorney/Agent)

(Complete if applicable)

Telephone 509-624-4276

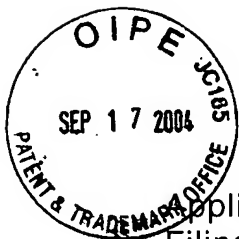
Signature

Date 09/17/04

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EV372467609

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 10/086,942
Filing Date March 1, 2002
Inventor Cem Basceri
Assignee Micron Technology, Inc.
Group Art Unit..... 2813
Examiner Y.B. Huynh
Attorney's Docket No. MI22-1951
Title: Capacitor Constructions Comprising Perovskite-Type Dielectric Materials
and Having Differnt Degrees of Crystallinity Within the Perovskite-Type Dielectric
Materials

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

References - - See attached Form PTO-1449

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449.

The citations listed may be material to the examination of the subject application and are therefore submitted in compliance with the duty of disclosure defined in 37 CFR '1.56. Copies of the cited art are included. No admission is made regarding whether all the submitted references are prior art. The Examiner is requested to make these citations of official record in this application.

09/22/2004 MBELETE1 00000086 10086942

01 FC:1806

180.00 OP


A check in the amount of \$180.00 is enclosed to cover the fee specified under 37 C.F.R. § 1.17(p).

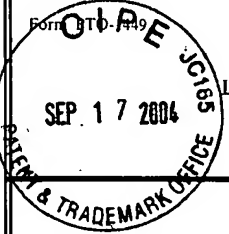
Respectfully submitted,

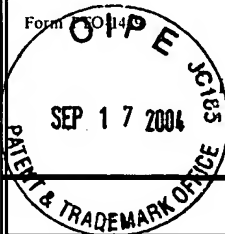
Dated: _____

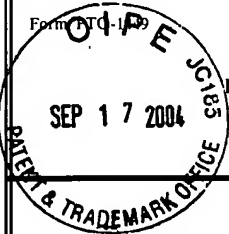
9/17/04

By: _____


David G. Latwesen, Ph.D.
Reg. No. 38,533

| Form BT-D-149  | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. M122-1951 | | SERIAL NO. 10/086,942 | | |
|---|----|--|--|-------------------------------|-------|------------------------------|----------------------------|----|
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | | | APPLICANT Cem Basceri | | |
| | | | | | | FILING DATE March 1, 2002 | | |
| | | | | | | GROUP 2813 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| | AA | 4,261,698 | 04/81 | Carr et al. | | | | |
| | AB | 4,691,662 | 09/87 | Roppel et al. | | | | |
| | AC | 5,261,961 | 11/93 | Takasu et al. | | | | |
| | AD | 5,270,241 | 12/93 | Dennison et al. | | | | |
| | AE | 5,312,783 | 05/94 | Takasaki et al. | | | | |
| | AF | 5,392,189 | 02/95 | Fazan et al. | | | | |
| | AG | 5,395,771 | 03/95 | Nakato | | | | |
| | AH | 5,468,687 | 11/95 | Carl et al. | | | | |
| | AI | 5,525,156 | 06/96 | Manada et al. | | | | |
| | AJ | 5,614,018 | 03/97 | Azuma et al. | | | | |
| | AK | 5,656,329 | 08/97 | Hampden-Smith | | | | |
| | AL | 5,663,089 | 09/97 | Tomozawa et al. | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | Document Number | Date | Country | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AM | EP 0 030 798 | 06/81 | EPO - Hughes | | | N/A | |
| | AN | GB 2 194 555 A | 03/88 | UK - Nippon | | | N/A | |
| | AO | EP 0 306 069 A2 | 03/89 | EPO - Phillips | | | N/A | |
| | AP | | | | | | | |
| | AQ | | | | | | | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | AR | | Aoyama et al., "Leakage Current Mechanism of Amorphous and Polycrystalline Ta ₂ O ₅ Films Grown by chemical Vapor Deposition," | | | | | |
| | | | 1995, pages 977-983. | | | | | |
| | AS | | Stemmer et al., "Accommodation of nonstoichiometry in (100) fiber-textured ... thin films grown by chemical vapor deposition," | | | | | |
| | | | ©1999 American Institute of Physics, pages 2432-2434. | | | | | |
| | AT | | Streiffer et al., "Ferroelectricity in thin films: The dielectric response of fiber-textured ...thin films grown by chemical vapor deposition," | | | | | |
| | | | ©1999 American Institute of Physics, pages 45654575. | | | | | |
| EXAMINERs | | | | DATE CONSIDERED | | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | |

| Form 1014  | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. M122-1951 | | SERIAL NO. 10/086,942 | | |
|---|----|--|-------|-------------------------------|-------|------------------------------|----------------------------|----|
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | | | APPLICANT Cem Basceri | | |
| | | | | | | FILING DATE March 1, 2002 | | |
| | | | | | | GROUP 2813 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| | AA | 5,702,562 | 12/97 | Wakahara | | | | |
| | AB | 5,719,417 | 02/98 | Roeder et al. | | | | |
| | AC | 5,723,361 | 03/98 | Azuma et al. | | | | |
| | AD | 5,736,759 | 04/98 | Hausaalter | | | | |
| | AE | 5,976,990 | 11/99 | Mercaldi et al. | | | | |
| | AF | 5,989,927 | 11/99 | Yamonobe | | | | |
| | AG | 6,101,085 | 08/00 | Kawahara et al. | | | | |
| | AH | 6,215,650 | 04/01 | Gnade et al. | | | | |
| | AI | 6,258,654 | 07/01 | Gocho | | | | |
| | AJ | 6,287,935 | 09/01 | Coursey | | | | |
| | AK | 6,325,017 B1 | 12/01 | DeBoer et al. | | | | |
| | AL | 6,335,049 B1 | 01/02 | Basceri | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | Document Number | Date | Country | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AM | JP 04-24922 | 01/92 | Japan - Mitsubishi | | | X | |
| | AN | JP 04-115533 | 04/92 | Japan - Oki Elec. | | | X | |
| | AO | JP 04-180566 | 06/92 | Japan - Mitsushita | | | ABS | |
| | AP | JP 08-060347 | 03/96 | Japan - Fujitsu | | | X | |
| | AQ | EP 0 810 666 A1 | 12/97 | EPO - Oki Electric | | | N/A | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | AR | | | | | | | |
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| | AS | | | | | | | |
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| | AT | | | | | | | |
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| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | |

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| Form PTO-109  | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. M122-1951 | | SERIAL NO. 10/086,942 | |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | | | APPLICANT Cem Basceri | |
| | | | | | | FILING DATE March 1, 2002 | |
| | | | | | | GROUP 2813 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 6,566,147 B2 | 05/03 | Basceri et al. | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
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| | AL | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Document Number | Date | Country | Class | Subclass | Translation |
| | | | | | | | Yes No |
| | AM | EP 0 892 426 A2 | 01/99 | EPO - Ramtron | | | N/A |
| | AN | WO 01/16395 | 03/01 | WIPO - Micron | | | N/A |
| | AO | | | | | | |
| | AP | | | | | | |
| | AQ | | | | | | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
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| | AS | | | | | | |
| | AT | | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |